

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-578 REV. F OR EARLIER
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-578 REV. 1 OR EARLIER

REF. TCCA STC: SH93-4
REF. FAA STC: SR00028NY
REF. FAA STC: SR00029NY
REF. EASA STC: 10016984

1.0 PURPOSE

The purpose of this DSI is to add the D350-578-013 Bearpaw Kit, which is similar to the existing D350-578-011 Bearpaw Kit, except that the machined pockets have been removed per customer preference. The D350-578-013 Kit installs in the same way as the D350-578-011 Kit.

2.0 INSTALLATION PROCEDURE

- 2.1 Jack up the aircraft. Ensure the skid tubes are serviceable.
- 2.2 If the Bearpaws are being installed on Dart Skid tubes remove the D3537-1 or D2648-1 Wearpads prior to installing the bearpaws. It is not necessary to remove the Dart Wearplates and gaskets. Re-install attachment hardware into open inserts.
- 2.3 Position the D4297-1 Bearpaw on the aft end of each skid tube as shown in Figure 2.
- 2.4 Install the D2438 clamps with the hardware as shown in Figure 3.
Caution: The torque on the nuts should be limited to 20 in-lb (2.3 Nm).
- 2.5 The D4297-1 Bearpaw may be relieved to clear wearshoe mounting screws provided the relief leaves 0.375" (9.53mm) thickness.
- 2.6 Lower the aircraft.

3.0 WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D350-578-013 Bearpaw Kit	17.60 lb 8.00 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2763.2 in-lb 31.92 m-kg

4.0 PARTS LIST



QTY. -013	PART NUMBER	DESCRIPTION
X	D350-578-013	Bearpaw Kit
6	D2182B050	Rubber Cushion
12	D2274	Radius Block
12	D2529	Washer
6	D2438	Clamp
2	D4297-1	Bearpaw
12	AN4-17A	Bolt
12	AN4-20A	Bolt
12	NAS1149D0463J	Washer
12	MS21042L4	Nut or (MS21042-4)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.02.25
CERT. NO.: SH93-4
ISSUE NO.: 8

B	ADD AN4-20A	RF	11.02.25
A	NEW ISSUE	RF	10.12.15
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9539	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		BEARPAW KIT	NTS
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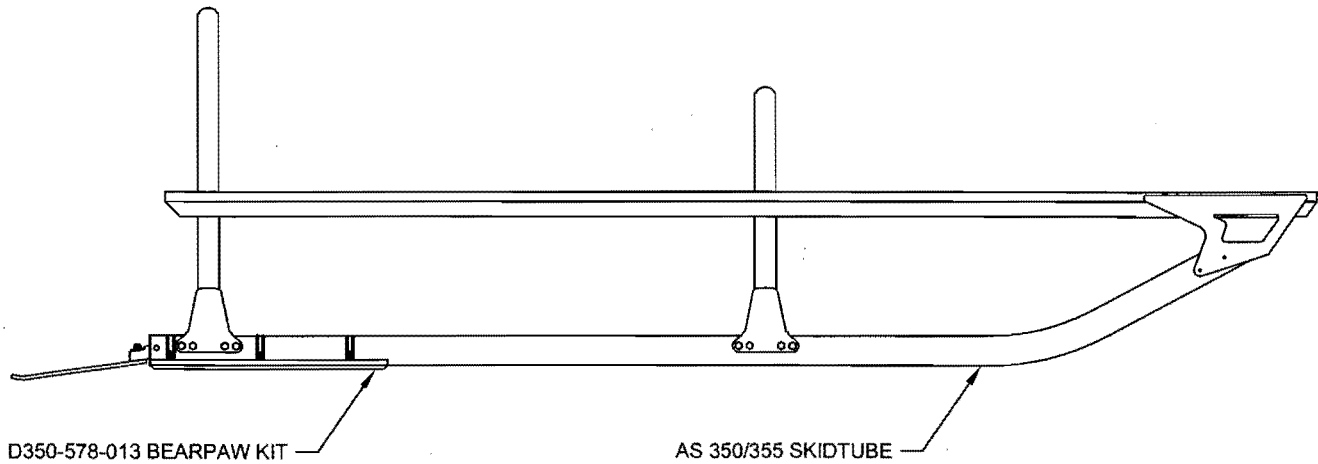


Figure 1. D350-578-013 Bearpaw Kit

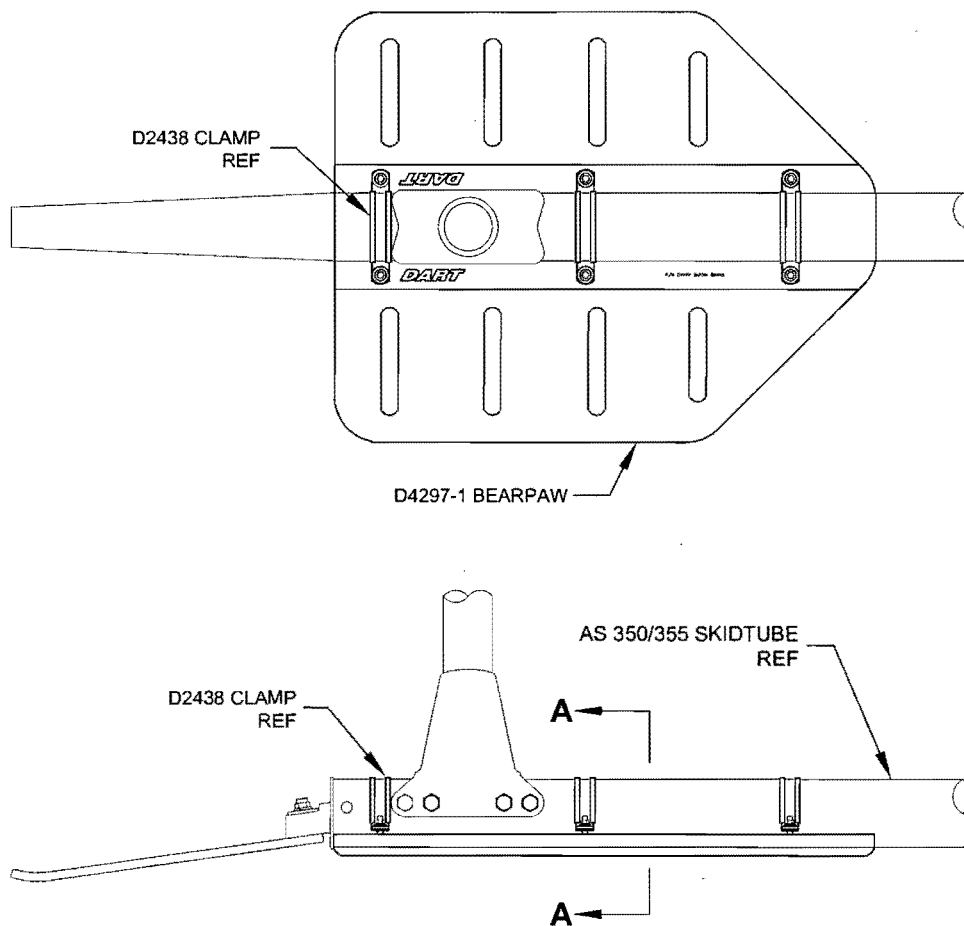


Figure 2. Bearpaw Location (Side View & top View)

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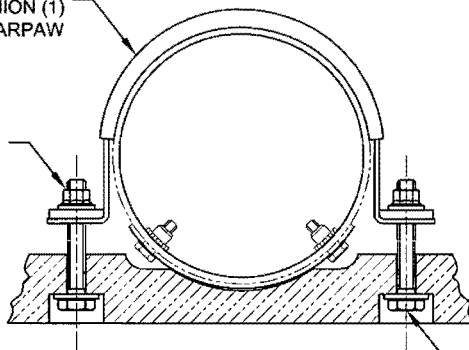
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D2438 CLAMP (1)
D2182B050 RUBBER CUSHION (1)
3 PL PER BEARPAW

MS21042L4 NUT (1)
AN960JD416 WASHER (1)
D2274 RADIUS BLOCK (1)
D2529 WASHER (1)
AN4-17A BOLT (1)
OR AN4-20A BOLT (1)
6 PL PER BEARPAW



ADDITIONAL AN960JD416 WASHERS MAY
BE INSTALLED UNDER THE NUTS TO
ENSURE 1.5-4 THREADS IN SAFETY ON THE BOLTS.
ALTHOUGH NOT GENERALLY NECESSARY,
IT IS ALSO ACCEPTABLE TO REPLACE THE
AN4 BOLTS PROVIDED WITH LONGER OR
SHORTER AN4 BOLTS, IF REQUIRED.

Figure 3. Clamping Detail (Section A-A)

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